

REMARKS

Claims 1-8 are pending in this application. By this Amendment, claim 3 is amended and claims 5-8 are added. Reconsideration of the application is respectfully requested.

Applicants thank the Examiner for the indication that claims 1, 2 and 4 are allowed.

The courtesies extended to Applicants' representative by Examiner Mai at the interview held December 20, 2004, are appreciated. The reasons presented at the interview as warranting favorable action are incorporated into the remarks below and constitute Applicants' record of the interview.

The Office Action rejects claim 3 under 35 U.S.C. §103(a) over Haertling et al. (U.S. Patent No. 5,312,674) in view of Saito (JP 403283491 A). The rejection is respectfully traversed.

As agreed during the personal interview, neither Haertling nor Saito, alone or in combination, disclose or suggest a production method of a surface mounting type planar magnetic device wherein upon production of the surface mounting type planar magnetic device, a planar coil terminal is subjected to light etching with acid and washing with organic solvent, as recited in independent claim 3. As such, independent claim 3 is allowable over a combination of Haertling and Saito.

Accordingly, because it would not have been obvious to combine Haertling and Saito to arrive at the subject matter of claim 3, claim 3 is allowable. As such, withdrawal of the rejection under 35 U.S.C. §103(a) is respectfully requested.

Moreover, Heartling teaches a ferromagnetic material in ink or tape form using a same firing profile and having approximately the same thermal shrinkage characteristics as low temperature co-fired ceramics tape, and is chemically non-reactive therewith (Abstract).

Saito teaches decreasing manufacturing costs of a multi-layered flexible circuit board wherein insulating films and circuit patterns are alternately printed in lamination on a dissolvable base, and the dissolvable base is dissolved after printing is finished (Abstract).

As such, neither Haertling nor Saito, alone or in combination, disclose or suggest a surface mounting type planar magnetic device wherein the planar coil is composed of a copper conductor formed by electro plating with two layered film comprising a film composed of a metal selected from niobium, tantalum, molybdenum and tungsten or alloy constituted of two or more thereof and copper film as plating foundation, as recited in independent claim 5. Moreover, neither Saito nor Haertling disclose or suggest a surface mounting type planar magnetic device wherein an average composition of an upper ferrite magnetic film and a lower ferrite magnetic film is Fe_2O_3 : 40 to 50 mol%, ZnO : 15 to 35 mol%, CuO : 0 to 20 mol%, Bi_2O_3 : 0 to 10 mol%, as recited in independent claim 6. Also, neither Saito nor Haertling, alone or in combination, disclose or suggest a production method of a surface mounting type planar magnetic device wherein upon production of the surface mounting type planar magnetic device, a planar coil terminal is subjected to surface treatment prior to coupling of a planar coil terminal portion and an external electrode as recited in independent claim 7. Finally, neither Saito nor Haertling, alone or in combination, disclose or suggest a production method of a surface mounting type planar magnetic device wherein upon production of the surface mounting type planar magnetic device, an upper ferrite magnetic film is baked at a temperature of 900°C or more to 1050°C or less in the atmosphere of less than 1 volume percent in oxygen concentration after an upper ferrite magnetic film is applied, as recited in independent claim 8. Accordingly, independent claims 5-8 define patentable subject matter.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-8 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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